Index of Claims

| App | lica | tion | Conf | trol | No. |
|-----|------|------|------|------|-----|

10/748,238

Examiner

Allyson N. Trail

Applicant(s)/Patent under Reexamination

MIYAZAWA ET AL.

Art Unit

2876

| √ | Rejected |
|---|----------|
|   | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| o | Objected |

| Cla  | aim          | Γ              |                 |   |              | Dat  | te           |            |           |          |       | Cla      | im       |  |          |         | Dat       | е               |               |          | ]!!!     | CI           | aim        |                 |                 |          |          | ate      | •        |          |          |          |
|--|--------------|----------------|-----------------|---|--------------|--|--------------|------------|-----------|----------|-------|----------|----------|--|----------|---------|-----------|-----------------|---------------|----------|----------|--------------|------------|-----------------|-----------------|----------|----------|----------|----------|----------|----------|----------|
|  | <del>-</del> | 3/2008         | 1               |   | l            | 1  | 1            | 1          |           |          |       |          | <u> </u> |  | ı        |         |           |                 |               |          |          |              | <u>~</u>   |                 |                 |          |          |          |          |          |          |          |
| Final  | Original     | 2              |                 |   | l            | 1  | 1            | l          | -         |          |       | Final    | Original |  |          |         |           |                 |               |          |          | Final        | Original   |                 |                 |          |          |          |          |          |          |          |
| iI.  | ٦            | 12             | -               |   |              |  |              | 1          | 1         |          |       | 诓        | Ğ        |  | - [      |         |           |                 |               |          |          | i.           | ٦          | l               |                 |          |          |          |          |          | ı        |          |
|  |              | _              | _               | _ | L            | ↓_   | ļ            | <u> </u>   | $\perp$   | $\perp$  |       |          |          | Ш  |          | $\perp$ |           | Ш               | $\sqcup$      |          | <b>∐</b> |              |            |                 | Ш               | _        |          |          |          |          | $\Box$   | $\Box$   |
| 1  | 1            | =              | ┖               | _ | <u> </u>     | ╙  | ┺            | <u> </u>   | ╀-        | 1        |       |          | 51       | Ш  | 4        | _       | Щ.        | Ш               | $\perp$       |          | _        |              | 101        | L               |                 | $\Box$   | _        |          |          | $\Box$   | _        |          |
|  | 2            | <u>  -</u>     |                 |   | -            | _  | -            | <b> </b> _ | ↓_        | 1        |       |          | 52       | ╙  | _        | 4       |           | Щ               | $\sqcup$      |          | _        |              | 102        | <u> </u>        | _               |          | _        | _        |          |          | _        |          |
| 2  | 3            | =              | L               | _ | ├-           | ▙  | ╄-           | ــ         | 4         | -        |       |          | 53       | -  | _        | -       | ┺         | ļ               | $\sqcup$      | _        | 4        |              | 103        | _               |                 | _        |          | _        |          | _        | _        | $\dashv$ |
| 3  | 4            | =              |                 | _ | ⊢            | ⊢  | $\vdash$     | ⊢          | +-        | $\vdash$ |       | <u> </u> | 54       | $\vdash$   | 4        | +       | -         | -               | -             |          | - ::::   |              | 104        | _               | _               |          | _        |          |          |          |          | _        |
| 4  | 5            | =              |                 |   | ⊢            | -  | -            | -          | +-        | +        |       |          | 55       | $\vdash$   |          | +       | +         | -               | $\rightarrow$ | _        | -        |              | 105        |                 | -               | -        | -        |          | _        | _        | -        | $\dashv$ |
| 5<br>6   | 6<br>7       | =              |                 | _ | ⊢            | <b> </b>   | ╀            | ⊢          | +-        | ╄        |       |          | 56       | $\vdash$   | +        | +       |           |                 | -+            |          | - !!!!   |              | 106        |                 | $\dashv$        |          | $\dashv$ | _        |          |          | $\dashv$ |          |
| -  | 8            | <del> -</del>  | -               |   | -            | ┢  | ╀            | ┝          | +-        | +        |       |          | 57<br>58 | H  | +        |         |           | Н               | $\dashv$      | -        | -        |              | 107<br>108 | -               | $\dashv$        | $\dashv$ | -        | -        |          | -+       |          | $\dashv$ |
| 7  | 9            | Ė              | -               |   | H            | ₩  | +            | ┝          | ╁         | +        |       | -        | 59       | $\vdash$   | $\dashv$ |         | +         | +-              |               |          | -        |              | 109        | H               |                 |          |          | $\dashv$ | $\vdash$ | -        | $\dashv$ | $\dashv$ |
| 8  | 10           | =              | -               | _ | ⊢            | ╁  | ┿            | ┢          | ╁         | ╁        |       |          | 60       | <del> -  </del>  | +        |         | +         | $\vdash$        | -             | -        | -        |              | 110        | $\vdash$        | $\vdash$        | -        | $\dashv$ | $\dashv$ | -        | -        | ┥        | $\dashv$ |
| 9  | 11           | 를              | H               | _ | -            | $\vdash$   | +-           | +          | +         | +        |       |          | 61       | $\vdash$   | $\dashv$ | +       | +         | $\vdash$        | $\dashv$      | $\dashv$ | -        | <u> </u>     | 111        | -               | $\vdash \vdash$ | $\dashv$ | -        |          | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
| 10   | 12           | =              | $\vdash$        | _ | -            | 1  | +            | ╁          | ╁         | +        |       |          | 62       | ⊢  | -+       | +       | +         | $\vdash$        | +             | +        | -        |              | 112        | -               | $\vdash$        | -        |          | -        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
| 11   | 13           | =              | $\vdash$        | - | $\vdash$     | $\vdash$   | +            | $\vdash$   | +         | $\vdash$ |       |          | 63       | $\vdash$   | +        | +       | +         | Н               | -             | +        | 1        | <del> </del> | 113        | -               | -               | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ | -        | $\dashv$ | $\dashv$ |
| <del>-                                    </del> | 14           | <del>  -</del> | H               |   | t            | <del>                                     </del> | †            | $\vdash$   | +         | $\vdash$ |       |          | 64       | $\vdash$   | +        | ╁       | +-        | $\vdash$        | -             | $\dashv$ | 1        | _            | 114        | $\vdash$        | $\vdash$        | $\dashv$ | $\dashv$ |          | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
| 12   | 15           | =              | $\vdash$        |   |              | $\vdash$   | +            | t          | $\dagger$ | $\vdash$ |       |          | 65       | $\vdash$   | $\dashv$ | +       | +         | $\vdash$        | $\dashv$      | $\dashv$ | 1        | <u> </u>     | 115        |                 | $\vdash$        | -        | $\dashv$ | $\dashv$ | $\vdash$ |          | $\dashv$ | $\dashv$ |
| 13   | 16           | =              | Н               |   | $\vdash$     | $\vdash$   | $t^-$        | $\vdash$   | +         | T        |       | <b> </b> | 66       | H  | $\dashv$ | 十       | +-        | Н               | $\dashv$      | +        | ┧Ш       | _            | 116        |                 | $\vdash$        | -        | $\dashv$ | $\dashv$ | $\neg$   | $\dashv$ | ᅥ        | $\dashv$ |
| 14   | 17           | =              | Н               | _ |              | $\vdash$   | $t^-$        | $t^-$      | $\dagger$ | $\vdash$ |       |          | 67       | $\forall$  | 7        | $\top$  | +         | $\vdash$        | $\dashv$      | +        | 1        |              | 117        | -               | $\vdash$        | ┪        | ᅥ        |          | $\dashv$ | _        | $\dashv$ | $\dashv$ |
| 15   | 18           | =              | Н               | _ | Т            | <del>                                     </del> | t            | t          | $\dagger$ | $\vdash$ |       |          | 68       | $\vdash$   | $\dashv$ | 十       | +         | $\vdash$        | $\vdash$      | $\top$   | 1        |              | 118        | Н               | $\vdash$        | -        | $\dashv$ | $\dashv$ | $\dashv$ | ┪        | $\dashv$ | ᅱ        |
|  | 19           | +-             | Н               |   |              | $\vdash$   | 1            |            | $\dagger$ |          |       | <b></b>  | 69       | $\Box$   | _        | +       | +         | H               | $\dashv$      | $\top$   | ┧        | <del> </del> | 119        |                 |                 |          | $\dashv$ |          |          | -        | $\dashv$ | ᅱ        |
|  | 20           | $\vdash$       | П               |   |              |  | 1            | t          | †-        | Ħ        |       |          | 70       |  | _        | _       | $\dagger$ | Н               |               | _        | 1        |              | 120        |                 |                 |          |          | 一        |          | $\dashv$ | $\dashv$ | ㅓ        |
|  | 21           | $\vdash$       | Н               |   | $\vdash$     | T  | $\vdash$     |            | $\top$    | $\vdash$ |       |          | 71       |  | 7        | $\top$  | 1         | Н               | 1             |          | 1        | <u> </u>     | 121        |                 | $\dashv$        | 寸        | 寸        | 一        |          | $\neg$   | 一        | $\neg$   |
|  | 22           | 1              | П               |   |              | İ  | T            | T          | T         |          |       | _        | 72       | $\vdash$   | _        | +       | 1         | $\Box$          | $\dashv$      |          | 7        |              | 122        |                 |                 | 寸        | 7        | ヿ        |          | _        | 一        | ヿ        |
|  | 23           | Т              | П               |   |              |  | T            | Ī          | 1         |          |       |          | 73       |  | $\dashv$ | ╅       | †         | П               | $\neg$        | 1        | 7        |              | 123        | П               |                 | $\neg$   |          | $\neg$   |          |          | 寸        | ヿ        |
|  | 24           | Г              |                 | - |              |  |              |            | T         | П        |       |          | 74       | $\Box$   | $\neg$   | $\top$  | 1         | П               | $\neg$        |          | 1        |              | 124        | П               |                 |          |          | _        |          | $\dashv$ | ヿ        | ヿ        |
|  | 25           | Π              | П               |   |              |  |              |            | T         |          |       |          | 75       |  |          |         | 1         | П               |               |          | 7        |              | 125        |                 |                 |          | 1        | $\neg$   |          |          | ヿ        | $\neg$   |
|  | 26           | Т              | П               |   |              |  | Π            |            | T         | $I^{-}$  |       |          | 76       |  |          |         |           |                 |               |          | 1        |              | 126        |                 | $\Box$          | ヿ        |          | ヿ        |          | $\neg$   | ヿ        | $\neg$   |
|  | 27           |                |                 |   |              |  |              |            |           | П        |       |          | 77       | П  | T        |         |           | П               |               |          | 7        |              | 127        |                 |                 | ヿ        | $\Box$   |          | $\neg$   |          |          |          |
|  | 28           |                |                 |   |              |  |              |            | Τ         |          |       |          | 78       |  |          |         |           | П               |               |          | 7        |              | 128        |                 |                 |          | $\Box$   | $\neg$   |          |          | $\neg$   | $\neg$   |
|  | 29           |                |                 |   |              |  |              |            |           |          |       |          | 79       |  | $\Box$   | Т       |           | П               |               | $\top$   | ]!!!!    |              | 129        |                 |                 | $\neg$   |          | コ        |          | $\neg$   |          | $\neg$   |
|  | 30           |                |                 |   |              |  |              |            |           |          |       |          | 80       |  |          |         |           |                 |               |          | ]        |              | 130        |                 |                 |          |          |          |          |          |          |          |
|  | 31           |                |                 |   |              |  |              |            |           |          |       |          | 81       |  |          |         |           |                 |               |          | ]        |              | 131        |                 |                 |          |          |          |          |          | $\Box$   |          |
|  | 32           | L              | Ш               |   |              | L  | L            |            |           |          |       |          | 82       |  |          |         |           |                 |               |          |          |              | 132        |                 |                 |          |          |          |          |          |          |          |
|  | 33           | _              |                 |   | L            | _  | _            | _          | ↓         | Ш        |       |          | 83       | Ш  |          | 4       |           |                 | _             |          | ╛        |              | 133        | Ш               |                 | _        | $\Box$   |          | _        | _        | $\sqcup$ |          |
| $oxed{oxed}$                                     | 34           | <b>_</b>       | $\sqcup$        |   | <u> </u>     | <u> </u>   | <u> </u>     | _          | ┶         | Ш        |       |          | 84       | Ш  | $\dashv$ | $\perp$ | _         | Ш               | $\perp$       |          | 4        |              | 134        |                 | $\Box$          | _[       |          |          |          | [        | $\Box$   |          |
| $oxed{oxed}$                                     | 35           |                | $  \_  $        |   | <u> </u>     | <u> </u>   | <u> </u>     | _          | 1         | Ш        |       |          | 85       | $\sqcup$   | 4        | 4       | 4_        | Ш               | _             | $\bot$   | 4        |              | 135        | Ш               | $\perp$         |          |          |          |          |          | $\dashv$ | $\Box$   |
| $\sqcup \sqcup$                                  | 36           | <del> </del>   | _               |   | <u> </u>     | <u> </u>   | <u> </u>     | _          | _         | Ш        |       |          | 86       | $\sqcup$   | 4        | $\bot$  | 1_        |                 |               | $\perp$  | 4        |              | 136        | Ш               | $\perp$         | _        | _        |          | _        |          | _        | _        |
|  | 37           | ⊢              | $\sqcup$        |   | <u> </u>     | <u> </u>   | <del> </del> | <u> </u>   | ـ         | $\vdash$ |       |          | 87       | $\sqcup$   | _        | 4       | $\bot$    | Ш               | 4             | _        | 4        | L            | 137        | Щ               | _               | _        |          | _        | _        | _        | _        | _        |
|  | 38           | ⊢              | $\sqcup$        |   | <u> </u>     | <b> </b>   | <del> </del> | <u> </u>   | ╄         | $\vdash$ |       |          | 88       | $\sqcup$   | 4        | 4       | $\bot$    | $\sqcup$        | _             | $\perp$  | 4        |              | 138        | Ш               | $\dashv$        | _        |          | _        | _        | _        | 4        | $\Box$   |
|  | 39           | $\vdash$       | $\sqcup$        |   | <b>!</b>     | <u> </u>   | -            | _          | $\vdash$  | $\vdash$ |       |          | 89       | $\vdash \downarrow$  | $\dashv$ | -       | -         | $\vdash \vdash$ | 4             | +        | 4        |              | 139        | Ш               |                 | _        |          | _        |          | _        | 4        | $\dashv$ |
| $\vdash$   | 40           | ├-             | $\vdash \vdash$ |   | <del> </del> | $\vdash$   | $\vdash$     | <u> </u>   | ┼         | $\vdash$ |       |          | 90       | $\vdash \vdash$  | +        | +       | +         | $\vdash \vdash$ |               | +        | 4        |              | 140        | Ш               | $\dashv$        | _        | _        | _        | _        | _        |          | _        |
|  | 41           | -              | $\mid - \mid$   |   | <u> </u>     | ⊢  | $\vdash$     | $\vdash$   | ╀         | $\vdash$ |       |          | 91       | $\vdash$   | +        | +       | +         | $\vdash \vdash$ | -+            | +        | 4        |              | 141        | Н               | $\dashv$        | $\dashv$ |          | -        |          |          | -        | $\dashv$ |
| $\vdash$   | 42           | -              | $\vdash \vdash$ |   | $\vdash$     | -  | <del> </del> | -          | +         | $\vdash$ |       |          | 92       | $\vdash$   | +        | +       | +         | $\vdash \vdash$ | +             | -        | 4        |              | 142        | $\vdash$        |                 | $\dashv$ |          | 4        |          | -        | 4        | $\dashv$ |
| $\vdash$   | 43           | ├-             | $\vdash \vdash$ |   | ļ            | <u> </u>   | -            | <u> </u>   | 1-        | Н        |       |          | 93       | $\vdash$   | -        | +-      | +-        | $\vdash$        | +             |          | -        |              | 143        | $\vdash \vdash$ |                 | $\dashv$ | $\dashv$ | _        |          |          |          |          |
| <b>  </b>  | 44<br>45     | +              | $\vdash \vdash$ |   | <u> </u>     | $\vdash$   |              | $\vdash$   | +         | $\vdash$ |       |          | 94       | ┝╾┼  | +        | +       | +         | $\vdash \vdash$ | +             | +        | -        |              | 144        | $\vdash \vdash$ | $\dashv$        | $\dashv$ | -        |          | -        | $\dashv$ | $\dashv$ |          |
|  | 46           | H              | $\vdash \vdash$ |   | <u> </u>     | _  | ₩            | $\vdash$   | +         | $\vdash$ |       |          | 95<br>96 | $\vdash$   | +        | +       | +-        | $\vdash$        | +             | +        | -        |              | 145        | $\vdash\vdash$  | $\dashv$        | $\dashv$ | -+       |          |          | $\dashv$ | $\dashv$ | $\dashv$ |
|  | 46           | ┼              | $\vdash$        |   | H            | -  | $\vdash$     | ⊢          | -         | $\vdash$ |       |          | 97       | $\vdash$   | +        | +-      | +         | $\vdash$        | $\dashv$      | +-       | -        |              | 146        | Н               | +               | $\dashv$ | +        |          |          | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash\vdash\vdash$                             | 47           | $\vdash$       | $\vdash \vdash$ |   | $\vdash$     | ⊢  | -            | $\vdash$   | +         | $\vdash$ |       |          | 98       | $\vdash \vdash$  | +        | +-      | +-        | $\vdash$        | +             | +        | -        |              | 147        | $\vdash$        | -+              | -+       | $\dashv$ | -        |          | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$   | 49           | ├              | $\vdash$        | _ | $\vdash$     | $\vdash$   |              | $\vdash$   | +         | $\vdash$ |       |          | 99       | $\vdash$   | +        | - -     | ╁         | $\vdash$        | +             | +        | -        |              | 148<br>149 | $\vdash \vdash$ | $\dashv$        | -+       | -        | -        |          |          | $\dashv$ | $\dashv$ |
| $\vdash$   | 50           | $\vdash$       | $\vdash$        |   |              | $\vdash$   | -            | $\vdash$   | +         | $\vdash$ |       |          | 100      | $\vdash \vdash$  | $\dashv$ | - -     | ╁         | $\vdash$        | +             | +        | -        |              | 150        | H               | $\dashv$        | $\dashv$ | -        | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ |
| LI   | 30           |                |                 |   |              | <u> </u>   | L            | L          | ᆫ         | ш        | ::::: |          | 100      | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | L_       |         |           |                 | L             | Ш        | ا:::::ا  |              | 150        |                 |                 |          |          | 1        |          |          | $\bot$   |          |